BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

ame of work: Detailed Estimate for the Work Construction of Compound Wall, hainlink fencing to Vehicle Parking, dismantling of existing building and Beautification orks to Indira Canteen Building in ward no. 05

								Estimate Cost Rs.	2571000.00
l o	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters, No. 267/ Item No. 37.42.1 PWD SR 2011-12	Sqm							
	For Tiles Roof		1	8.00	5.00		**40.00**	**50.76**	**2030.00**
	Basic Rate	47.00							
	Area Weightage @ 8%	3.76							
	Total	**50.76**							
	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters, No. 267/ Item No. 37.42.3 PWD SR 2011-12	Sqm							
	For AC Sheet Roofing		1	10.00	5.80		**58.00**	**66.96**	**3884.00**
	Basic Rate	62.00							
	Area Weightage @ 8%	4.96							
	Total	**66.96**							
	Dismantling burnt brick masonry in clay mortar / lime mortar /. cement mortar and stacking the bricks within a radius of 50 m and removing the debris to a distance upto 200m, No. 268/ Item No. 37.47 PWD SR 2016-	Cum							
	Center Line fot Tiles Building		1	26.00	0.23	3.50	**20.93**		
	Shart Walls		2	4.55	0.23	3.50	**7.33**		
	Center Line for AC Sheet Building		1	31.60	0.23	3.50	**25.44**		
	Shart Walls		2	5.35	0.23	3.50	**8.61**		
	Ceter Line for RCC Roof		1	40.00	0.23	3.50	**32.20**		
	Shart Walls		3	5.00	0.23	3.50	**12.08**		
	Center Line for Compound Walls		1	104.00	0.23	2.00	**47.84**		
	Bus Shelter		1	10.00	0.23	2.70	**6.21**		
							160.63	168.48	**27063.00**
	Basic Rate	156.00							
	Area Weightage @ 8%	12.48							
	Total	**168.48**							
	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, No. 268/ Item No. 37.48 PWD SR 2016-17	Cum							
	Center Line fot Tiles Building		1	26.00	0.50	0.90	**11.70**		
	Shart Walls		2	4.55	0.50	0.90	**4.10**		
	Center Line for AC Sheet Building		1	31.60	0.50	0.90	**14.22**		
	Shart Walls		2	5.35	0.50	0.90	**4.82**		
	Ceter Line for RCC Roof		1	40.00	0.50	0.90	**18.00**		
	Shart Walls		3	5.00	0.50	0.90	**6.75**		
	Center Line for Compound Walls		1	104.00	0.50	0.90	**46.80**		
	Bus Shelter		1	10.00	0.50	0.90	**4.50**		
							110.88	185.76	**20597.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	172.00							
	Area Weightage @ 8%	13.76							
	Total	**185.76**							
	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200 m (within average thickness of 15 cms), Page No. 265 Item No. 37.51 PWD SR	Sqm							
	Layers Concrete Surface Dismantling								
	For Concrete Floring Tiles Building		3	8.00	5.00		120.00		
	For Concrete Floring AC Sheet Building		3	10.00	5.80		174.00		
	For Concrete Floring RCC Roof Building		3	10.00	6.00		180.00		
	For Bus Shelter		3	8.00	5.00		120.00		
			2	40.50	17.30+7.50		1004.40		
					2				
							1598.40	59.40	**94945.00**
	Basic Rate	55.00							
	Area Weightage @ 8%	4.40							
	Total	**59.40**							
	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
	For Site Formation		1	40.50	17.30+7.50	0.30	150.66		
					2				
							150.66	169.56	**25546.00**
	Basic Rate	157.00							
	Area Weightage @ 8%	12.56							
	Total	**169.56**							
	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 3+4				**311.29**		
							311.29	73.36	**22836.00**
	Basic Rate Lead Charges Upto 2.00	5.36							
	PWD SR 2016-17 (P.118/I.17.1) For loading and unloading	68.00							
	Total	**73.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 **Page No. 148 / Item No. 19.60, PWD SR 2016-17**	cum							
			1	27.35	17.30+7.50	0.35	118.70		
					2				
							118.70	326.16	**38715.00**
	Basic Rate	302.00							
	Area Weightage @ 8%	24.16							
	Total	**326.16**							
9	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**	Cum							
			1	58.50	0.90	0.90	47.39		
							47.39	204.12	**9672.00**
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
10	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	For Culverts		1	58.50	0.90	0.15	7.90		
			1	15.00	2.50	0.15	5.63		
			1	15.00	1.50	0.15	3.38		
			1	15.00	1.35	0.15	3.04		
			1	15.00	2.00	0.15	4.50		

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Coble Tiles Bottom		1	15.00	3.00	0.15	**6.75**		
	For Approch CC Road		1	110.00	5.00	0.15	**82.50**		
							113.69	5256.36	**597569.00**
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
1	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble **stone masonry in foundation** with mud mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page**	cum							
	Compound		1	58.50	0.75+0.60	0.70	**27.64**		
		4187			2.00		**27.64**	4359.96	**120515.00**
	Basic Rate	4037.00							
	Area Weightage @ 8%	322.96							
	Total	**4359.96**							
2	KSRB 5.3-3 Providing and constructing granite / trap / basalt **size stone masonry in basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26/ Item No. 5.9/ PWD SR 2016-17**	cum							
	Compound		1	58.50	0.50	0.60	**17.55**		
		4187					**17.55**	5405.40	**94865.00**
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
3	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	**cum**							
	For Compound Wall		1	58.50	0.50	0.15	4.39		
	For Compound Wall Top		1	58.50	0.20	0.10	1.17		
							5.56	5491.80	**30521.00**
	Basic Rate	5085.00							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	406.80							
	Total	**5491.80**							
4	Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 119/ Item No. 15.1 PWD SR 2016-17**	sqm							
	Compound		1	58.50	0.60		**35.10**		
							35.10	104.76	**3677.00**
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
5	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. (P.NO - 6, I.NO - 2.11, PWD SR 16-17)	Cum							
				Qty. Vide Item No.			**47.39**	137.16	**6499.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
6	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm							
	For Compound Wall		1	58.50		1.60	93.60	1011.96	**94719.00**
	Basic Rate	937.00							
	Area Weightage @ 8%	74.96							
	Total	**1011.96**							
7	KSRB 15.3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.18 / PWD SR 2016-17	**Sqm**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	58.50		1.60	**187.20**	238.68	**44681.00**
	Basic Rate	221.00							
	Area Weightage @ 8%	17.68							
	Total	**238.68**							
	SKSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 114/ Item No. 15.53.2 / PWD SR 2016-17	Sqm							
	Out side		Qty Vide Item No.19				187.20		
							187.20	90.72	**16983.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
	Providing and fixing M.S Gate as per Cheaf Architect Drawing using 50mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, with lead and lift loading and lunloading charges. etc., complete as per specification and drawing Page No.47/ I No. 7.37/ PWD SR 2016-17	**Sqm**							
	For Gate		1	15.00	2.25		33.75	3168.72	**106944.00**
	Basic Rate	2934.00							
	Area Weightage @ 8%	234.72							
	Total	**3168.72**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and fixing M.S Gril over existing compound wall as per chief Architect drawing No. 12686, Using 16mm X16mm M.S Sqquare rod at 150mm c/c spacing and 6mmX40mm M.S foats at horizontal and 6mm X12mm M.S flote for ornamental design and providing shop edge design at the vertex of every vertical roads, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, etc., complete as per specification and drawing Page No.42 / I.No. 7.26/ PWD SR 2016-17	**Sqm**							
	For Compound Wall Surrounding		1	43.60	0.60		26.16		
							26.16	5641.92	**147593.00**
	Basic Rate	5224.00							
	Area Weightage @ 8%	417.92							
	Total	**5641.92**							
	KSRB 14.6-1 : Providing and laying **heavy duty cobble stones 60mm** thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.108/ Item No. 14.6 / PWD SR 2013-14								
	For Front		1	15.00	3.00		90.00		
							90.00	966.72	**87005.00**
	Basic Rate	912.00							
	Area Weightage @ 8%	54.72							
	Total	**966.72**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and fixing Ceramic tiles of size 400x400mm for flooring, thr..ds,steps and landing,laid on a bed of 20mm thick cement morta. 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, clearing etc. complete .The Worked including curing., clearing etc., complete, The work includes cost of all materials. Labour charges for all items or work, hire charges for equipment, etc., complete as per specification. Page No. 116/ Item No. 14.63 / PWD SR 2016-17								
			1	15.00	2.50		37.50		
			1	15.00	1.50		22.50		
			1	15.00	1.35		20.25		
			1	15.00	2.00		30.00		
							110.25	1161.00	**128000.00**
	Basic Rate	1075.00							
	Area Weightage @ 8%	86.00							
	Total	**1161.00**							
3	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2016-17	Sqm							
	For Kerb		1	30.00			30.00		
				l e 228/0.45			30.00		
							66.67	338.04	**22536.00**
	Basic Rate	313.00							
	Area Weightage @ 8%	25.04							
	Total	**338.04**							
24	KSRB 15-17.5: Applying **priming coat** over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2016-17	**Sqm**							
	For Kerb		1	30.00		0.30	**9.00**		
							9.00	**44.28**	**399.00**
	Basic Rate	41.00							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
	KS.:.B 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with **enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 119/ Item No. 15.60.1 / PWD SR 2016-17								
	For Kerb		1	30.00		0.30	9.00		
							9.00	**90.72**	**816.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
5	Supply and fixing granite benches to the parks	**Nos**	13				**13.00**	10550.00	**137150.00**
	BBMP Approved Rate	**10550.00**							
7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and	Cum							
	Approch Road		1	110.00	5.00	0.10	55.00		
							55.00	6231.74	**342746.00**
	Basic Rate	5879.00							
	Area Weightage @ 6%	352.74							
	Total	**6231.74**							
3	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2016-17	Sqm							
	Approch Road		1	110.00	5.00		550.00		
							550.00	95.40	**52470.00**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
29	Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per	Rmtr							
	Approch Road		55	5.00			275.00		
							275.00	121.90	**33523.00**
	Basic Rate	115.00							
	Area Weightage @ 6%	6.90							
	Total	**121.90**							
							Grand Total		**2314510.00**
30	For 10% KRIDL Charges								**231451.00**
31	For 1% Labour Cess								**23145.00**
32	Miscesallaneous Charges	L/S							**1894.00**
								Total	**2571000.00**

ERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 03

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

Administrative Approval
Accorded For 25.71 lacks only
Head of A/C P3106
CER NO : TS/03/18-19 Dt: 30.05.18

TA CE (YNK)

Technical Sanction
Accorded For 25.71 lacks only
Head of A/C P3106
CER NO : TS/02/18-19 Dt: 30.05.18

TA CE (YNK)